WHATELECTRICITY MAY DO.

Great Social and Economie Chrages Possible. From the Pall Mall Genetic.

It is a trite observation that ne political combination of the fifteenth century so profoundly influences the life of the resent generation as the mechani- equal distribution of wealth. Electrical combination of type in Gutenberg's city, unlike the steam, does not necessiprinting press. The making of gunpowder, the invention of the compass, and the construction of the steam enand the construction of the steam engine is only potent within the gine, are all femiliar illustrations of the steam engine is only potent within the extent to which the inventor has revolutioned the world. Even in the pure chine at the nearest mill-rate osuld lutioned the world. Even in the pure political sense it may be asserted that work a loom in every cottage or drive a Watt was more powerful than Pitt, and plow on the holding of every peasant.

The share of Arkwright in enabling But still more remarkable is likely to the share of Arkwright in erabling England to resist, and ultimately to overcome, the power of Napoleon was hardly less important, although much less conspicuous, than that of Wellington. The discovery of the extent to which two perallel railroads of iron could expedite locomotion, in Br. Arnold's opinion save the death-stroke to feudalism; and no one can as yet compute the extent to which it has contributed to remodel the social system of the civilized world. Not even Stepkenson, as he stood by the cradle of the locomotive, fully realized the revolutionary all. If they are to be utilized the pubagent he was letting loose upon mankind, and the most sanguine believers which every day shows more impatience in the future development of electricity can hardly be expected to understand the extent to which the utilization of this force may affect the settled order fit of a few. The gas and water supof the State. All great discoverers are great revolutionists, or, rather, it may be said that all great discoverers contain within themselves the germs of authorities were also placed in possesmany revolutions. At present the application of electricity is only in its infancy, but already any one who is familiar with the dissolvent action of the steam engine on the old order which existed a century since can understand that the dynamo machine and the storage battery may yet effect a very unexpected transformation of the social organization, and modify or even destroy the existing balance of political forces. The political and social significance of recent discoveries in the application of electricity is increased by the disappearance of the old, unreasoning conservatism which fifty years ago formed so great an obstacle to the development of the railway system. The leader of the Conservative party is today driving piles in the River Lea by electricity generated by the water-wheel that to-night will light up the electric lamps which illuminate Hatfield Hall. Not only has the old prejudice against newfaugled inventions disap- Irvin Chief Engineer, owns a very peared, but information is disseminated with a rapidity before unknown. Electricity, therefore, has far fewer obstacles ting their anthracite mines, situated to overcome than those which steam three r iles southwest of Cerrillos Stahas vanished; and if, as is most problem, and as soon as arrangements can the being about great tion, and as soon as arrangements can be being about great tion, and as soon as arrangements can be being about great tion, and as soon as arrangements can be be being about great tion, and as soon as arrangements can be be being about great tion, and as soon as arrangements can be be being about great tion, and as soon as arrangements can be be be being about great tion.

tricity through resistance representing 225 feet. The mine is in shape to fifty miles of ordinary telegraph wire. Hithertoit has been impossible to transmit six or eight horse power for plowing or other heavy work more than southeast ten feet to the 100 feet. The two or three miles. This is but an coal is undoubtedly of a very fine qualillustration of the development of the ity, and is claimed to be equal to the purpose of airing htmself, when he bank and new force. It enables us to conceive best Pennsylvania anthracite. Colonel fell in with a squad of Bacon Montthe impossibility—to take only one Irvin discovered this coal in 1857, when gomery's noted militia. There was an cable for all the wagons and steamers country for the Atlantic & Pacific folks to settle up an old score, for that it is required for working machinery. atively small detail, of the change it laws, it was impossible that anthracite large funeral. storage for future use of the fitful but and as far east as the Missouri river. tremendous forces of nature which at waterfall among the mountains, and The company is moving twenty tons hay-stack. simple agency of the dynamo machine be in shape to mine 100 tons daily, with Clay county pair to recruit their serand the storage battery may in a few capacity for any amount required. It vice, and George Shepperd, Jim Read years compete with the steam engine in is intended to erect large cooking works. and Bud McDaniels were in the field its own field. Sir William Armstrong There are fourteen veins distinctly tra- ready for spoils. "would light every city, and another tenth would turn every loom, spindle, and axle in Great Britain." In Ireland and in Scotland, in Wales and in some eclipses of the sun, and a transit of cept for heat, and even heat may yet Asia, and visible as a partial eclipse in anxiety. He went to Kansas City, and their own risk. be laid into our houses by wire as well Europe. as light and force. If such a prospect II. An annual eclipse of the sun outlaws seemed assured. He returned is realized the whole distribution of November 10th, not visible in America, population in Great Britain and Ire- the principal phases being confined to gett the day after. When Shepperd far outdo the exploits of the railway Ocean. in "setting towns a-dancing" all over

of its own character.

liant light upon the morals of our or second external contact will complete some a man as ever sat in a saddle, was day, and two hands got as much salt as streets-although in Boston they de- the transit.

clare that one electric lamp is as offective as five policemen. But there are two changes the new force is likely to produce which should be mentioned. By facilitating the distribution of force it will tend to promote decantralization, and possibly may bring about a more tate the concentration of capital. Steam blew up aristocracy, but plutocracy may be smitten by the thunderbolt. A be its influence in the practical realization of one of the dreams of modern socialism. No practical man believes that there is any prospect of placing the existing means of production in the hands of the representatives of the whole community. Beth the surface of the land and its mineral treasures have passed irrevocably into the hands of private owners. But what promise to be the motive forces of the future belongs to no man. The tides, the cataracts, and the wind are the heritage of lie spirit of the local communities, with the existing monopolies, may be relied upon to take prompt action to prevent their exploitation for the beneply are already in the hands of the municipalities. Who can calculate the results which might follow if the local sion of a force destined to be the mainspring of our manufacturing industry?

New Mexico.

The Cerrillo Coal Fields are exten sive, and contain deposits of bitumin ous and anthracite coal, very superior in quality, equal to any in the West. The anthracite coal fields cover an area of 12,000 acres, and the extent of the bituminous coal can hardly be estimated. The value of these coal deposits in this location may be judged when I state the fact that the Southern Pacific Railroad gets its supply of coal from Oregon and Newcastle mines in Australia; the coke for smelting works in Southern New Mexico and Arizona is brought from England, and the Texas and Pacific Railroad draws its coal supply from McAlister, in the Indian Territory. The Anthracite & Bituminous Coal Company, of which W. E. Broad is President, and Colonel Charles H. large body of land embracing these coal deposits. The company is operaable, it is destined to bring about great be perfected with the Railroad Comwith a rapidity partaking some what pany for cars and rates, a larger force Last week M. Deprez succeeded in present, putting out ten tons daily and tial altar, they went with him to the war of like nature. In 1866 he made transmitting power by means of elec- driving the tonnel, which is already in move sixty tons daily, and in twenty went the next day to the funeral of a days it could be in shape to move 100 groom with a broken neck. tons. The vein is five feet thick, dips

The Bituminous mines are two and the tide on the shore, by which the daily, and in thirty days the mines will has long lit up his picture gallery at ceable, varying from one to five and a

Eclipses in 1882.

tion, which, among other changes, States. There will be four contacts of under the influence of the steam en- contact of the limbs, and then, after an sation gine, would necessarily be soenormous interval of about twenty-one minutes of to a bill for re-distributing seats in Par- nal contact will take place. After an

THE JAMES GANG.

thing about the James Banditti from Begin ning to End-The Killing of Jesse.

The news of the death of the last man to hold out, Jesse James, recalls some reminisiscences of the family and the offspring of it, who knew every rabbit track in the west.

THEIR FATHER WAS A PREACHER. In the good old days he was a pious man and "Walked with God," though it must be confessed that his sons took a very different kind of promenade. In the dark days of Missouri, Jesse and Frank James espoused the cause which flainted the bars. They were before he would surrender. His misnever soldiers; in this they were not alone. The woods were their haunts, career by committing suicide. and in their barbarian code there was no such thing ever known as a white flag; their bugles, if they ever had into a corpse in Huntington, W. V., any, never were tuned to the peaceful where he had gone "to draw some notes of truce. The only camp stories that were ever told about their retreats were those which told of the way in later, and is now serving a term in the which the last man died, and then they penitentiary drank from their tin cups to the next one who was to go. In all probability they never thought of the day when there was to be a dawn of peace. It is ler, Bill Chadwell, Charlie Pitts, Call, live their days out as terrors, was when their old father was taken from his hung up to a tree, where he was soundly thrashed until his pious limbs danced cied injury was in their own county seat, Liberty, Missouri. This was in the shape of bank robbery, in which they were assisted by Andy McGuire, Archie Clements, and Dick Burns. It may not generally be known that one of this gang, in a very short time after this first attempt to get even, paid for the "pastime" by being

CHOKED TO DEATH, suspended from a tree almost in sight of the spot where the robbery took place. This was McGuire. When he had been given his portion of the "swag," his thoughts were immidiately diverted from the darings of the James brothers to something exactly antipodal -love. With his gains he attired himself in broadcloth and went to Independence, the county seat of Jackson, where he planned and carried out the capture of a woman who had given him her approval. They were united while mounted on horseback, and immediately made for the first railroad station, where they boarded the first eastwardbound train, which carried them into St. Louis. While he was occupied in making such reassurance as young men waiting for the next train, he was arwoods, and

HIS BRIDE

Not many months after this little

Burns took the role of a corpse. No

In the meanwhile it behooved the

the plans for the capture of the noted and was to have been followed by Lig-

played the deuce with him, too. He had a mistress in Kansas City, and ladened with jewelry he rode into Kansas City one evening after dark, and in which McDaniels was arrested, and when taken to the station and searched he was recognized. He was sent back rounded in a thicket, given away by negro, and was

SHOT TO DEATH

tress tried to add a romantic link to his

The other members of the Missouri banditti band were Hobbs Kerry, Berry, Arth McCoy, John Younger, Clel Mil said that their first determined oath to Jim, and Bob Younger, Tucker Bassham, and Bill Ryan. A recapitulation of the feat of each of these is given home by some of Jennison's gang and briefly as follows: Kerry confessed to the Otterville robbery, and is serving out a term. Berry died from the effects a hornpipe between heaven and earth. of a shot by a Missouri sheriff soon afroad. McCoy went to sleep under a Texas rose, and

NEVER WOKE UP IN THIS WORLD.

John Younger was killed by Captain Lull, of Pinkerton's force, who aftera helpless invalid.

on, spurs and all."-Chicago Times.

THE OUTLAWS EXPLOITS.

KANSAS CITY, Mo., April 3 .- Jesse in like positions are wont to make, James was born in Clay county, Missouri, in 1845. He is the son of the rested and taken back to Liberty. A Rev. Dr. James. He has had little few weeks later the people of that sec- education. When sixteen years of age acters, went to the jail one evening and Centralia, Mo., and the sacking and called for "Mr." McGuire. In spite of burning of Lawrence, Kan. He was and 1868 he was connected with stage event Archie Clements sauntered into robberies in Texas. Frank James and

illustration—of substituting a stout on an expedition to reconnoiter the evident desire on the part of the latter Fair office, in broad daylight, of \$10-000. In 1873 St. Genevieve bank was employed in carrying coals from the Railroad. This report was stoutly de- night Clements' friends took him out robbed, and in 1874 the Muncie, Kan., pits to the manufacturing centers where nied by Professor Owen, at that time of a house dead. The buckshot that bank. In that year he robbed a stage an authority on geology, on the ground entered his body were never counted, at Hot Springs, and also participated in But that is only a detail, and a comparthat, according to known geological but there were enough to bring out a his first train robbery on the Iron Mountain road. In 1876 the Minnerobberies amount to nearly \$1,000,000. -Inter-Grean, Telegram.

A Cautious Editor.

The religious welfare of Greenville. Shepperd participated in a bank rob- Ala., is jealously guarded by the Echo, Rothbury by the aid of a little moun- nalf feet in thickness. Outcrops show bery in Kentucky, for which he was A new theatre was to be opened with tain rivulet, and Godalming has shown this field to cover at least 10,000 acres, arrested and tried and convicted. On "Richelieu, and the cautious editor, the expiration of his term he returned while admitting that the play was reon which it stands. "A tenth part of the tidal energy in the valley of the Severn," says prof. Sylvanus Thompson, "world light and stands of the same tract are found contained in the s Boys. He went to Joplin, Missouri, informed ourselves upon the subject, and a few miles from there he found the that we are entirely unable to make In the year 1882 there will be two old gang in the bush, to whom he re- any positive assertion one way or the newed his allegiance. A day or two other. This notice was allowed to enof the hilly districts in England, mountain torrents generate force which, if stored and used, would enable us to dispense with coal for all purposes exdispense with coal for all purposes ex- of totality passing across Africa and boys, who awaited his return with some We have only announced-all go at

A Salt Mine.

The Abilene (Texas Reporter says land may be altered, and electricity may the southern portions of the Pacific went back to camp a conflict ensued, that a few days since a gentleman who in which he was shot. He claimed has seen a great deal of our western III. A transit of the planet Venus then that he shot Jesse James. He country, in the courses of a conversaover the disk of the sun, on December adhered to this statement until a few tion, told of a running stream, in Stone-The consequences of such a revoin- 6th, visible throughout the United weeks ago, when he came out and an- wall county, 80 miles northwest of Abimight restore to the southwest the su- the circular disks or limbs of the sun saying that he never shot Jesse, and such an extent that the water is so premacy which passed to the northeast and plannet, namely, a first external that the whole affair was a cooked sen- heavy a man's body will float on it with-Jim Read fell in with a Teras sheriff that it requires the ordinary strength that it is hardly worth while to allude time, the second contact, or first interthere was a quiet funeral down there. bottom. Pure salt in large blocks, and lisment as one of the minor changes interval of about six hours the third He figured conspicuously in the affair in great quantity, is procured from the which would follow in its wake. Neither contact or second internal contact will at Gad's hill, on the Iron Mountain bed of the creek. Two of Mr. Good- the best way is to keep out. of the production of a cheap and bril- utes after the third, the fourth contact Bud McDaniels, who was as hand- freights the other day, stopped there a

Capturing Wild Horses.

A large mob of wild borses is described coming toward the riders over was galloping up Main street when he a distant rise. As they draw near and woke up a policemen who halted him see themselves headed by mounted for fast riding. A row was the result, men, they wheel sharply on one side, men, they wheel sharply on one side, and, with manes and tails streaming in the wind, and their flanks shining with to Kansas, and, becoming tired of moisture, they gallop off in another prison life, he escaped. He was sur-direction, but only to find enemies direction, but only to find enemies wherever they turn. At last, in desperation, they make straight for the widest gap they see in the circle. Thetwo men between whom they hope to escape leap off their hack horses, which they quickly hobble and leave loose, and, mounting barebacked on the spare one, wait for the right moment for closing in on the flying and already. distressed baguales as they make their final rush. If they do so too soon, of course the mob swerves to one side, and pass behind the kunter; but, if they manage well, the two simultaneously close in on the drove, boleadoras in hand, ready to cast; and at the moment the horses pass each singles out a good looking colt, whirls the balls round his head, and letting fly, entangles them round both hind legs so effectually that the victim, after struggling onward some fifty yards, is obliged to submit, and falls heavily over. After the first cast the hunter presses on close to the Their first attempt to avenge this fancied injury was in their own county road McCov went to sleep under a learning his second pair from round his waist, often secures another colt. Then he dismounts, and, after tying the prostrate animal's fore hoofs close together with some of the many rawhide thongs about his person or his horse, ward paid for the righteous deed with his own life. Miller, Chadwell, and Pitts went too near Northfield and were killed, while, Call, Jim and Bob Youn- it. And here let me give a brief deger were taken in the same raid and scription of the boleadorss, for it is are boarders to-day at the expense of these that are chiefly used-and not the state of Minne ota. Bassham is in the lasso, as is commonly supposed the Missouri penitentiary, and Bill Ryan for catching the wild horses of the Panis in the jail at Kansas City. Frank pa. Three double-twisted thongs of James is declared by his friends to be raw horse-hide, each about three feet six inches long, and softened by rub-The recent persistent efforts of Gov- bing and working them in the hands, ernor Crittenden, of Missouri, to cap- and when in a pliant state, are tied toture the remnants of the gang, the suc- gether at one end. At the other end of cess he has had in trapping the novices one is fastened a stone ball, covered and inducing them to squeal, and with hide, and shaped so as to fit the doubtless had much to do in running grasp of the hands; and to the other the captain of the border banditti to two ends are bound wooden balls (of close quarters where he has died, as he the size of a small croquet one), also always said he would: "With his boots cased in hide. Grasping firmly the stone one, the hunter whirls the others around his head, and, when the right moment has arrived, he lets go (as a boy does half his sling), and the three bars twist the thongs around whatever they are thrown at. But to resume. After all the baguales inclosed have escaped or been caught, we look after the tion, who evinced a better spirit then he joined Quantrel's band of guerillas, ostriches, which have, as a rule, rethey have since toward such charand participated in the butchery at mained, hiding themselves about the mained, hiding themselves about the middle of the circle. Any who may have singly tried to run off previously of men will be put to work moving the coal. Only sixteen men are at work at tipl alter they went with him to the war of like nature. In 1866, he made troop should have made a rush (during his first robbery, which was at the bank of Liberty, Mo. In 1867 he robbed the Russellville (Ky.) bank, and 1878 the Huntington Va., bank. During 1866 boring not to the low grass, dores are too keen-sighted, and, gallopsoutheast ten feet to the 100 feet. The coal is undoubtedly of a very fine quality, and is claimed to be equal to the purpose of airing htmself, when he ity, and is claimed to be equal to the purpose of airing htmself, when he fell in with a ground of Basen Mont. and have to run for it. On these expedi-In 1872 he Robbed the Kansas City tions any deer and guanacos (a species of Ilama) are not hunted; only so when neither baguales nor ostriches have been inclosed.-London Field.

About Editors.

Every editor loves to have his friends, foreshadows. Together with the discovery of the practicability of storing covery of the practicability of storing Rocky Mountains. The coal is being some of the neighbors in an adjoining Rocky Mountains. The coal is being some of the neighbors in an adjoining Rocky Mountains. electrical energy to any extent, it opens used in Santa Fe, and is giving such up a vista of industrial revolution between the same family, as it described in the same family, as it used in Santa Fe, and is giving such used in Santa Fe, and is giving such est field, had their day's labor interpolation as to take the same family, as it used in Santa Fe, and is giving such est field, had their day's labor interpolation as to take the laboration as the laboration as to take the laboration as the fore which the boldest may well hold place of all other coals. It will be in called upon to attend, in which Dick great demand throughout the West great great demand throughout the West great of the desperado. He was aided in all news to communicate, state it in as few effort was ever made to learn who split of his exploits by a gang from his own words as possible. Don't offer an expresent run to waste. The wind, the a half miles southwest of Cerrillos. his head open, or who hid him in the neighborhood. It is estimated that his cuse or indulge in a long preface to what you have to say. Blurt it out; tell the editor you wish him well, and tell him good-by. Editors dote on such men as that; they love to receive such calls from them. Don't argue with him, don't try to do it; he has no time for argument while at his work.

When you write to an editor for publication, make it short-boil it down. Pitch right into the middle of your subject, and be sure to stop when you are through. Editors always like some-thing fresh and original in the way of communications, and are especially fond of news. But the Editor must always be the judge of what is worthy of publication. Of course, every writer thinks his own production the best, just as every mother thinks her baby the prettiest that ever was born. But the editor may be so stupid as to have a different opinion. If so, it can't be helped. Don't try to urge him out of his notion. If he is too stupid to appreciate a good thing, you can't expect to remedy his dullness. You may think you are a good deal smarter than the editor, and that may be true, but the editor may be responsible and you are not. There is no class of men so anxions to please a majority of the people as the editors are. There is no class of people so covetons of the good opinion of others. It is well to remember that tact .- Printer's Circular.

THERE are three ways of getting out of a scrape-write out, back out, and

RED on a railroad signifies canger, and means "Stop." It is the same thing displayed on a man's nose.